

## Product No:101146423

### SCHMERSAL BNS33-1IZG-ST SAFETY SENSOR 101146423

#### FEATURES

- Safety sensor with thermoplastic enclosure
- Features coding and integral system diagnostics
- Equipped with 1 opener and 1 shutter
- Includes 2 safety contacts
- Comes with a 5-meter cable featuring 4 wires
- Actuating element is a magnet
- M30 ISO thread for the sensor
- Switching voltage rated at 24 VDC
- Switching current of 0.01 A with a switching capacity of 0.2 W



*Note: Contact symbols shown for the closed condition of the guard device. | The contact configuration for versions with or without LED is identical.*

#### General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
Coding Level According to EN ISO 14119	Low
EAN	4030660000000
eCl@ss Number, Version 11.0	27-37-12-13
eCl@ss Number, Version 9.0	27-37-12-11
ETIM 6.0	EC001038
ETIM 7.0	EC000221
Housing Construction Form	Norm construction design
Product Type	Safety Sensor
Series	BNS33
Working Principle	Electromechanical

#### Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver
Maximum Actuating Speed (m/s)	0.5

Maximum Fuse Rating	6 A gG D-fuse
Minimum Actuating Speed (mm/min)	1
Minimum Cable Cross Section (mm <sup>2</sup> )	0.75
Minimum Mechanical Life	10000000 Operations
Minimum Positive Break Force (N)	19
No. of Safety Contacts	2
Nominal Output Current (A)	0.01
Nominal Power (W)	0.2
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	2.5
Rated Insulation Voltage (V)	250
Rated Maximum Operational Voltage DC (V)	24
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	1 NO contact, 2 NC contacts
Switching Principle	Slow action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13   AC-15
Utilisation Category DC-13	0.05 A

### Physical Attributes

Actuator Type	Roller lever
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	329
Maximum Ambient Temperature (°C)	70
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-30
Minimum Temperature (°C)	-25
Net Weight (g)	1.45
Storage Temperature (°C)	-40 to 85
Wire Cross-Section	0.75 mm

### Dimensions

Sensor Height (mm)	146.5
Sensor Length (mm)	21.5

### Protection & Standards

Degree of Protection	IP67
Standards	EN IEC 60947-5-3 / BG-GS-ET-14

### Resources

Product catalogue (Flipbook)	<a href="#">Download from here</a>
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